

ABSTRACT

The present invention provides a mixer and a mixing method which enable stable supply of slurry at a high flow rate with foam being uniformly
5 mixed therein, and which enable reduction in consumption of foam to be fed to the slurry. The mixer (10) has a housing (20), a rotary disc (32), a slurry outlet port (45), a slurry delivery conduit (46) and a hollow connector section (47). A foam feeding port (41) is disposed in a predetermined position of an annular wall or the hollow connector section. The foam feeding port feeds
10 the foam to the slurry, immediately before the slurry enters the slurry outlet port, or feeds the foam to the slurry in the hollow connector section. The slurry and the foam mix with each other at the slurry outlet port or on its downstream side. The foam is not substantially subjected to agitation impact of the mixer and a quantity of loss of the foam is reduced. The foam is
15 uniformly mixed with the slurry even when the flow rate of slurry is increased, and therefore, the production rate of gypsum boards can be increased.